

**A TRENCH ISOLATION STRUCTURE AND
METHOD OF MANUFACTURE THEREFOR**

ABSTRACT OF THE DISCLOSURE

The present invention provides a trench isolation structure, a method for manufacturing a trench isolation structure, and a method for manufacturing an integrated circuit including the trench isolation structure. The trench isolation structure, in accordance with the principles of the present invention, may include a substrate having a trench located therein, and an isolation material located within the trench, wherein the isolation material has no undercut at corners where the isolation material meets the substrate.